

Name: _____

Date: _____

Period: _____

Microorganism Notes (Bacteria, Viruses, Protists, & Fungi)

Characteristics of Bacteria:

- Bacteria are the most abundant _____ on _____.
- _____ = one-celled
- _____ = no nucleus or membrane-bound organelles

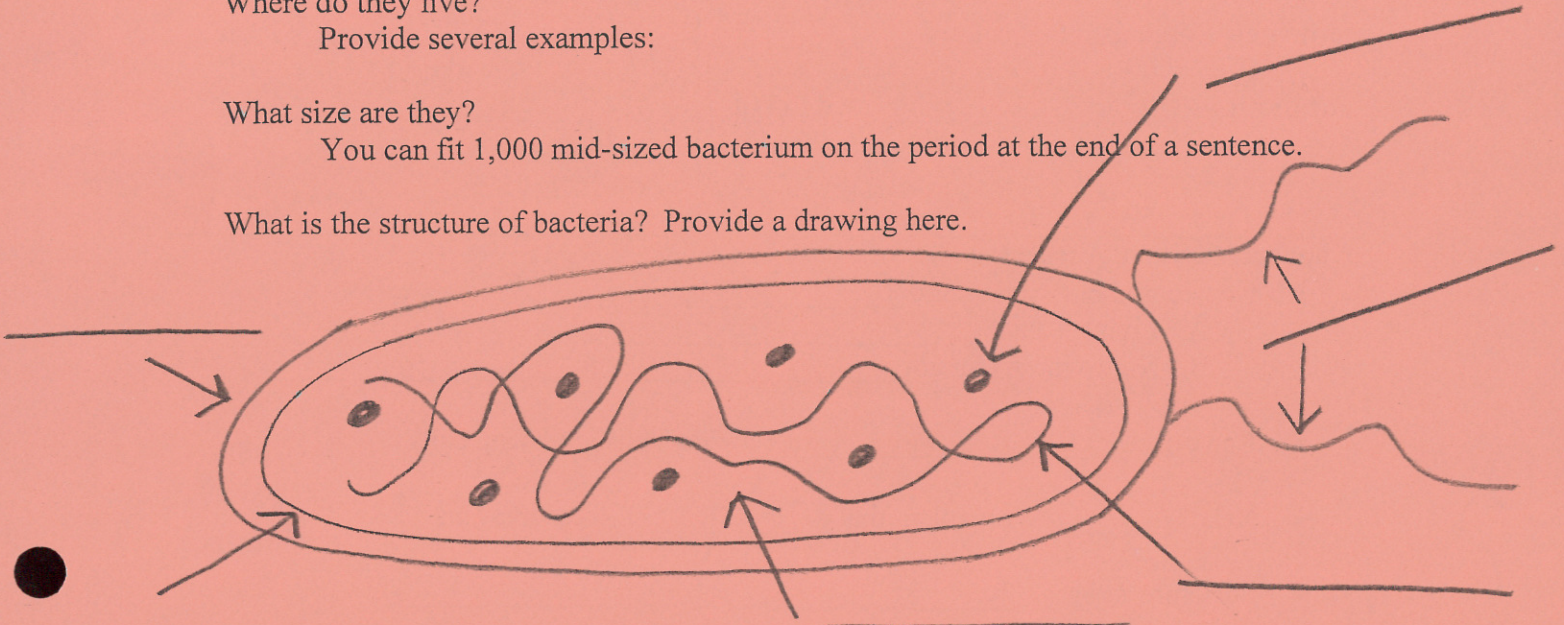
Where do they live?

Provide several examples:

What size are they?

You can fit 1,000 mid-sized bacterium on the period at the end of a sentence.

What is the structure of bacteria? Provide a drawing here.



3 shapes of bacteria are: _____, _____, and _____.

- Coccus = _____ shaped.
- Bacillus = _____ shaped.
- Spirillum = _____ shaped.

○ Draw an example of each shape below.

Coccus

Bacillus

Spirillum

How do bacteria REPRODUCE?

1. _____ = splitting into 2 parts

How do bacteria EAT?

- A. _____ -- makes own food using _____ energy
- B. _____ -- breaks down dead stuff
- C. _____ -- harmfully lives off other organisms

Bacteria can be good:

1. In our _____
2. _____
3. _____
4. Provide _____
5. _____
6. _____ -- clean up Earth's land and water

Bacteria can be bad:

1. _____ food
 2. _____
- Examples: E. coli, salmonella, staphylococcus, and streptococcus

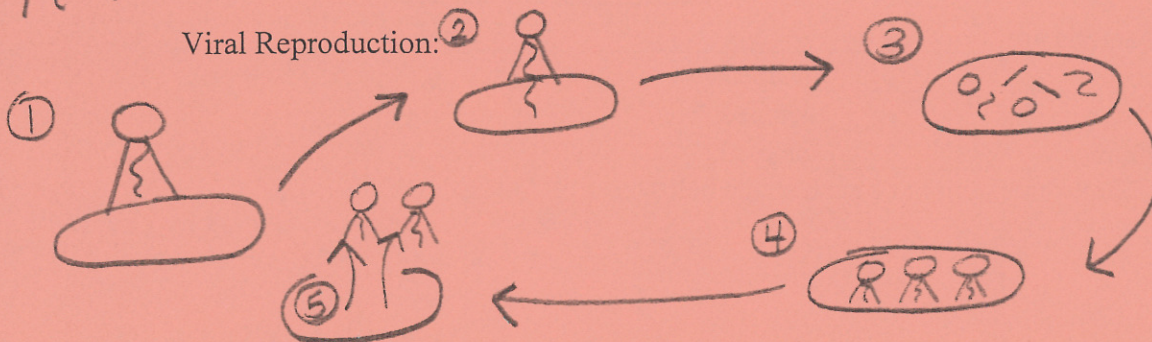
pathogen -- organism that causes _____

antibiotic -- _____ used to kill _____

Characteristics of Viruses:

- Considered both living and _____.
 - A. Living = can _____.
 - B. Nonliving = can not _____ or _____.
- Can only _____ (copies DNA) in living cells.
- Needs a _____ -- organism that a _____ lives in or on
- Structure = _____ + _____.

Viral Reproduction:



Examples of viruses:

5 ways to transmit diseases:

Vaccine = weakened form of a _____ to create _____ to that disease

Epidemic = rapid _____ of a disease through a large _____